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### GENERAL NOTES

*A New Observatory.*—A well-equipped observatory, presented to the Case School of Applied Science at Cleveland, Ohio, by Mr. Worcester R. Warner and Mr. Ambrose Swasey, founders of The Warner & Swasey Company, is approaching completion. The dedication will occur on October 12th. Director Campbell, of the Lick Observatory, will deliver the address, with subject, "The Daily Influences of Astronomy."

The Warner & Swasey Observatory is located on a small hill near Euclid Avenue, in the eastern residential section of Cleveland. The instrumental equipment consists of a Warner & Swasey-Brashear equatorial, three transit instruments, zenith instrument, and a chronograph. The lower floor of the Observatory building will contain a library and the living quarters of the astronomer.

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*One Hundred Spectroscopic Binaries.*—Number 10, Volume 1, of the *Publications of the Dominion Astrophysical Observatory*, contains a list of the first one hundred spectroscopic binaries discovered at Victoria since work began there in May, 1918. The variable velocity of these stars was detected by the members of the staff, J. S. Plaskett, W. E. Harper, R. K. Young and H. H. Plaskett, in the course of the regular program of radial velocity measures of 772 stars, between the 5th and 10th magnitudes, selected in cooperation with the Mount Wilson Observatory, from Boss's *Preliminary General Catalogue*.

Of the 576 stars so far observed one hundred have shown variable velocity in the line of sight, or about the same proportion of one in six which has been found for the brighter stars. That 98% of these binaries should belong to spectral classes B, A and F and only 1% respectively to classes G and K, with none of class M, is due in large part to the short period of time (less than two years) covered by their observations and to the fact that the one-prism dispersion used by them is not sufficient to detect small variations in velocity.

Whether the apparent decrease in the number of binaries of spectral classes G, K and M for the fainter stars as compared with the corresponding numbers given in Campbell's *Second Catalogue of Spectroscopic Binaries* (for the brighter stars) is all attributable to the causes mentioned will remain for future observation to determine.

Full data of observation concerning these one hundred new spectroscopic binaries are given in the published table and will be of the greatest value to future observers who wish to investigate further any of these stars.

J. H. M.

Dr. George E. Hale has been elected one of the twelve foreign members of Societa Italiana delle Scienze, in succession to the late Lord Rayleigh.

Dr. W. W. Campbell was recently elected an Honorary Foreign Fellow of the Royal Society of Edinburgh.

Professor Benjamin Boss, Director of the Dudley Observatory Albany, New York, is making a series of tests of "seeing" conditions in the coast range of California and the southwestern states, for the Department of Meridian Astronomy of the Carnegie Institution of Washington. In this connection Professor Boss has spent some time at Mount Wilson and Mount Hamilton.

Dr. Edison Pettit, since 1918 Assistant in Solar Physics in the Yerkes Observatory, has been appointed a member of the staff of the Mount Wilson Observatory. Dr. Pettit received the degree of Ph. D. this last summer at the University of Chicago.

*Elements of Borrelly's Periodic Comet, 1905 II.*—The following elliptic elements of Borrelly's Comet, 1905 II, have been computed on the basis of M. P. Chofardet's observations at Besançon on October 7, 1918, December 6, 1918, and February 4, 1919, as printed in the *Astronomical Journal* for July 19, 1920.

$E$	= 1918, Dec. 6.3802 G. M. T.
$M$	= $2^{\circ}47'12''.18$
$\omega$	= $35^2\ 23\ 32\ .45$
$\pi$	= $69\ 20\ 34\ .74$
$\Omega$	= $76\ 57\ 2\ .29$
$i$	= $30\ 29\ 13\ .54$
$\log e$	= 9.788886
$\log a$	= 0.559350
$\log q$	= 0.144792
$\mu$	= $514''.023$

Boston, September 7, 1920.

FRANK E. SEAGRAVE,

*Death of Eric Doolittle.*—It is with the deepest regret that we record the death of Dr. Eric Doolittle, Director of the Flower Observatory, of the University of Pennsylvania, on Tuesday, September 21st. An account of his valuable contributions to astronomy will be printed in our December issue.